

Serial No.: 09/729,968

Group Art Unit: 2675

REMARKS

Thank you for considering my application. In this filing, you will find that the claims have been amended to overcome 35 U.S.C. 102. The claims have been amended to further distinguish them from the prior art suggested in the office action.

With regards to the prior art by Persidsky, the inventor would like to highlight the following differentiations:

-The wireless pen described in this invention interprets "graffiti", whereas the invention taught by Persidsky does not teach such art. Graffiti is a symbol set that is similar to the alphabet, but that is easier for machines to interpret. The use of graffiti has several advantages:

- Easier for machines to interpret
 - The computer produces better results and less errors than if it has to interpret regular writing
 - The stylus requires less memory and processing power than if it has to interpret regular writing
 - Faster character recognition speed
 - The hardware can fit into an ergonomic casing
- The wireless pen described in this invention establishes a connection with external devices and allows the user to write directly to them and in real-time. The devices described by Persidsky may be wireless, and it may have a transmitter, however, Persidsky does not teach that his device is capable of establishing a connection with other devices. A transmitter alone cannot establish a connection. To establish a connection, two things are needed, a transmitter means and a receiver means.

The main purpose of the invention described in this application is to allow the user to write to a multitude of devices such as cellular phones, TVs, computers, PDAs...

The step of establishing a connection is a crucial feature. It allows the wireless pen to sense when the receiving device is ready to receive the data, and to detect if the receiving device has received the data correctly. In case of errors, the wireless pen may retransmit the data.

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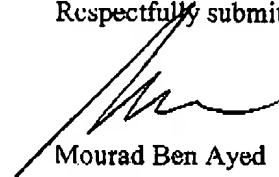
This speaks to how important it is to establish a wireless connection.

The method and system recited in the claims are new, useful and non-obvious.

The purpose of the device taught by Persidsky is to display and store characters on the pen computer device as writing is performed using the pen.

The purpose of the device taught in this application is to send characters to external devices as the pen is used to write graffiti symbols.

Respectfully submitted,



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APPENDIX A

1. (amended) A method for input of handwriting, comprising:
holding a wireless electronic stylus;
pushing a button;
performing movements in the air that correspond to graffiti symbols[.];
said electronic stylus establishes a wireless connection with a receiving device;
said electronic stylus gets output from accelerometers and identifies graffiti symbols;
said electronic stylus sends identified data wirelessly to said receiving device.
2. (amended) The method of claim 1 further comprising: [where said electronic stylus performs the followings:
establish a wireless connection with a receiving device.]
getting acceleration sequences characterizing each of a plurality of graffiti symbols from memory;
correlating accelerometer output to said acceleration sequences;
identifying graffiti symbols.
3. (amended) The method of claim 2 further comprising:
[getting output from accelerometer,]
correlating graffiti symbols to letters.
4. (amended) The method of claim 3 further comprising:
[getting acceleration sequences characterizing each of a plurality of graffiti symbols from memory;
correlating accelerometer output to said acceleration sequences;
identifying graffiti symbols.]
correlating graffiti symbols to numbers.
5. (amended) The method of claim 4 further comprising:
[correlating graffiti symbols to letters.]

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correlating graffiti symbols to symbols.

6. (amended) The method of claim 5 further comprising:

[correlating graffiti symbols to numbers.]

displaying identified symbols.

7. (amended) The method of claim [4 further comprising:

[correlating graffiti symbols to symbols.]

where graffiti corresponds to PalmPilot graffiti.

8. (amended) [The] A method [of claim 5 further comprising:

wirelessly sending identified symbols to said receiving device.]

for input of handwriting, comprising:

holding a wireless electronic stylus;

pushing a button;

performing movements in the air that correspond to graffiti symbols;

said electronic stylus establishes a wireless connection with a receiving device;

said electronic stylus gets output from accelerometers;

said electronic stylus sends said output from accelerometers to said receiving device;

said receiving device doing the followings:

getting acceleration sequences characterizing each of a plurality of graffiti

symbols from memory;

correlating accelerometer output to said acceleration sequences;

identifying graffiti symbols;

correlating graffiti symbols to letters, numbers, and other symbols.

9. (amended) The method of claim 8 [further comprising:

displaying identified symbols.] where graffiti corresponds to PalmPilot graffiti.

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10. (amended) [The method of claim 3 further comprising:

wirelessly sending said accelerometer output to said receiving device.]

Apparatus for input of handwriting, comprising:

a wireless stylus fitted with accelerometers and a communication means for

establishing a wireless connection with an external device,

and containing a database of acceleration sequences characterizing each of a plurality of graffiti symbols.

11. (amended) [The method of claim 10 further comprising said receiving device doing the following:

getting acceleration sequences characterizing each of a plurality of graffiti symbols from memory;

correlating accelerometer output to said acceleration sequences;

identifying graffiti symbols;]

The apparatus of claim 10 wherein said communication means is BlueTooth.

12. (amended) [The method of claim 11 further comprising:

Correlating graffiti symbols to letters.]

The apparatus of claim 10 wherein said graffiti symbols are the PalmPilot graffiti symbols.

13. (cancelled) The method of claim 12 further comprising:

Correlating graffiti symbols to numbers.

14. (cancelled) The method of claim 3 where graffiti corresponds to PalmPilot graffiti set.

15. (cancelled) Apparatus for input of handwriting, comprising:

a wireless stylus fitted with accelerometers and a transmitter.

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16. (cancelled) The apparatus of claim 15 containing a database of acceleration sequences characterizing each of a plurality of graffiti symbols.
17. (cancelled) The apparatus of claim 16 wherein said transmitter is a BlueTooth transmitter.
18. (cancelled) The apparatus of claim 17 wherein said graffiti set is the PalmPilot graffiti set.